


McComb, Martin

From: Card, Joan
Sent: Friday, August 07, 2015 1:26 PM
To: Hestmark, Martin; McComb, Martin; Smith, Paula
Subject: Re: water quality parameters

Follow Up Flag: Flag for follow up
Flag Status: Flagged

Thanks. This information is useful for water quality people only. We need to boil it down for the public.

Joan Card
Senior Policy Advisor
Office of the Regional Administrator
EPA, Region 8 (CO, MT, ND, SD, UT, WY)
1595 Wynkoop
Denver, CO 80202

(303) 312-6468 

From: Hestmark, Martin
Sent: Friday, August 7, 2015 1:22 PM
To: McComb, Martin; Card, Joan
Subject: FW: water quality parameters

Limited but informative. Get ready to post. Joan you have any concerns?

From: McComb, Martin
Sent: Friday, August 07, 2015 11:58 AM
To: Hestmark, Martin
Subject: Fwd: water quality parameters

Sent from my iPhone

Begin forwarded message:

From: "Wall, Dan" <wall.dan@epa.gov>
Date: August 7, 2015 at 11:51:40 AM MDT
To: "McComb, Martin" <McComb.Martin@epa.gov>
Cc: "McKean, Deborah" <mckean.deborah@epa.gov>, "john.west@westonsolutions.com" <john.west@westonsolutions.com>, "molly.patterson@westonsolutions.com" <molly.patterson@westonsolutions.com>
Subject: water quality parameters

Marty, this is all the water quality parameters we have collected so far. Parts of these results should correspond to dissolved metals data you just received.

We are working to get coordinates for the water intakes we sampled yesterday (Durango, Aztec and Farmington). The other coordinates from the water sampling should be in SCRIBE.

Dan

McComb, Martin

From: McComb, Martin
Sent: Sunday, August 16, 2015 3:10 PM
To: McComb, Martin
Subject: Print

Begin forwarded message:

From: "McComb, Martin" <McComb.Martin@epa.gov>
Date: August 7, 2015 at 2:07:08 PM MDT
To: "Card, Joan" <Card.Joan@epa.gov>, "Hestmark, Martin" <Hestmark.Martin@epa.gov>, "Ostrander, David" <Ostrander.David@epa.gov>, "Smith, Paula" <Smith.Paula@epa.gov>
Cc: "Cristiano, Gina" <Cristiano.Gina@epa.gov>, "Griswold, Hays" <Griswold.Hays@epa.gov>, "Stevenson, Peter" <Stevenson.Peter@epa.gov>
Subject: Website is Open to the Public

The only thing we are showing is the front page with the approved statement and a bunch of photographs.

We will keep you all in the loop as we have more information and data ready to be released.

M

McComb, Martin

From: McComb, Martin
Sent: Sunday, August 16, 2015 3:07 AM
To: McComb, Martin
Subject: Print

Begin forwarded message:

From: "McKean, Deborah" <mckean.deborah@epa.gov>
Date: August 7, 2015 at 4:57:57 PM MDT
To: "Card, Joan" <Card.Joan@epa.gov>, "Cristiano, Gina" <Cristiano.Gina@epa.gov>
Cc: "Hestmark, Martin" <Hestmark.Martin@epa.gov>, "McComb, Martin" <McComb.Martin@epa.gov>, "Smith, Paula" <Smith.Paula@epa.gov>, "McClain-Vanderpool, Lisa" <Mcclain-Vanderpool.Lisa@epa.gov>
Subject: RE: New version of pH description

Sorry, I was asked to coordinate with R6 and ATSDR. So, already sent the data and our statement to R6 tox folks.

From: Card, Joan
Sent: Friday, August 07, 2015 4:52 PM
To: McKean, Deborah; Cristiano, Gina
Cc: Hestmark, Martin; McComb, Martin; Smith, Paula; McClain-Vanderpool, Lisa
Subject: RE: New version of pH description

Deb, I am sending the statement to RAs, so we are using one statement that I will originate. Please don't share yet.

From: McKean, Deborah
Sent: Friday, August 07, 2015 4:51 PM
To: Cristiano, Gina; Card, Joan
Cc: Hestmark, Martin; McComb, Martin; Smith, Paula; McClain-Vanderpool, Lisa
Subject: RE: New version of pH description

Yes, I am coordinating with Region 6 tox. I am also giving them our message, letting them know it is consistent with ATSDR and asking that they are also consistent.

From: Cristiano, Gina
Sent: Friday, August 07, 2015 4:47 PM
To: Card, Joan
Cc: McKean, Deborah; Hestmark, Martin; McComb, Martin; Smith, Paula; McClain-Vanderpool, Lisa
Subject: Re: New version of pH description

Deb-are you coordinating this w R6 toxicologist? They are very interested in what we're saying...?

Sent from my iPhone

On Aug 7, 2015, at 4:44 PM, Card, Joan <Card.Joan@epa.gov> wrote:

Thank you. I'm going to add the following to the beginning of the statement. Is it correct?: The following is an summary of the evaluation of pH data collected as of _[what date?]. Additional information related to additional data, including metals, is being developed and will be provided in a separate statement.

From: McKean, Deborah
Sent: Friday, August 07, 2015 4:39 PM
To: Hestmark, Martin; Card, Joan
Cc: Cristiano, Gina; McComb, Martin
Subject: New version of pH description

pH (a measure of acidity) was measured at a number of locations along Cement Creek and the Animas River to Durango and beyond to Farmington, New Mexico. Except for locations within Cement Creek, generally, pH levels were measured before the arrival of the contaminant plumb and found to range between 6.5 and 7.6. When the contaminated water from the mine rupture passed a sampling location, the pH lowered (indicating more acid) to approximately 4.8 (below Silverton). A pH of 4.5 is consistent with the pH of a liquid like black coffee. Later, however, in locations down river, the pH began to return to pre-incident levels. Water acidity levels in the Animas above Cement Creek have been consistent over the past two days at approximately 6.4 to 6.8. The pH of saliva is roughly 6 and the pH of pure water is 7. The acidity level in Cement Creek has remained low at 3.74 since the mine rupture. Tomato juice and apples also have a pH of approximately 3.74.

<image001.png>

Deborah L. McKean, Ph.D.
Chief, Superfund Technical Assistance
U.S. EPA, Region 8
1595 Wynkoop Street
Denver, CO 80202
Office: 303-312-6178
Cell: 303-579-4371

McComb, Martin

From: McComb, Martin
Sent: Sunday, August 16, 2015 3:39 AM
To: McComb, Martin
Subject: Print

Begin forwarded message:

From: Walter Baker <wbaker@utah.gov>
Date: August 8, 2015 at 1:48:45 PM MDT
To: <mccomb.martin@epa.gov>
Subject: Fwd: Communication on the Gold King Mine Release Incident

Marty,

Here is the contact information I indicated I would send you. I will be leaving the state tomorrow morning and will keep in touch with the information on the incident website. But in my absence I would like one of my managers, Kim Shelley (her info is shown), to also be granted non-public access to info on the incident webpage.

We would appreciate any info you may be able to share with us especially travel time of the plume, lab results, and aerial photographs, as they become available.

Thanks.

Walt Baker
DWQ Director

----- Forwarded message -----

From: **Walter Baker** <wbaker@utah.gov>
Date: Sat, Aug 8, 2015 at 10:51 AM
Subject: Communication on the Gold King Mine Release Incident
To: way.steven@epa.gov
Cc: Craig Dietrich <dietrich@utah.gov>, Donna Spangler <dspangler@utah.gov>, David Ariotti <dariotti@utah.gov>, Erica Gaddis <egaddis@utah.gov>, Leah Ann Lamb <llamb@utah.gov>, Kim Shelley <kshelley@utah.gov>, Doug Wong <dwong@utah.gov>

Steven,

My name is Walt Baker and I am the director of the Utah Division of Water Quality (DWQ). I was given your name as EPA's point of contact on the mine spill. I want to open up the lines of communication between my office and EPA's incident command center. The players in Utah include those noted below. As appropriate, please include them in the communication loop:

Craig Dietrich dietrich@utah.gov [Utah Department of Health]

Doug Wong dwong@utah.gov [DWQ spill coordinator]

David Ariotti dariotti@utah.gov [Utah DEQ Engineer in SE Utah; cell # 435-636-7724]

Walter Baker wbaker@utah.gov [Utah DWQ director; cell # 801-971-7508]

Leah Ann Lamb llamb@utah.gov [Utah DWQ assistant director; cell 801-560-0464]

Kim Shelley kshelley@utah.gov [Utah DWQ Surface Water manager; cell # 801-231-4248]

Erica Gaddis egaddis@utah.gov [DWQ assistant director; cell # 801-205-3769]

Donna Spangler dspangler@utah.gov [DEQ PIO, cell # 801-554-4944]

We have mobilized a monitoring crew to deploy 4 data sondes in the San Juan River to collect water quality data, to collect samples to establish baseline conditions for dissolved and total metals and to photograph the plume and communicate information. They are presently in the field. We will be establishing a webpage on Monday to provide information to the public as it becomes available. When we have a URL established we will provide it to you for the link to also be placed on EPA's website.

We understand that tribal authorities will also be collecting water quality data on the San Juan River. It would be good for us to communicate on this so that we don't have duplication of effort.

My other comment is that EPA's website is inadequate. There is no contact list; there is no update of the location and status of the plume; there are no recent photos; there are no links to other news sources; and the map function is disabled. EPA can do better than this. Can you help me to understand if any of these deficiencies are being addressed?

I am the main point of contact for Utah DEQ through today (Saturday 8/8). Thereafter, Kim Shelley will be DEQ's main point of contact.

Thanks.

Walt Baker

McComb, Martin

From: McComb, Martin
Sent: Sunday, August 16, 2015 3:45 AM
To: McComb, Martin
Subject: print

Begin forwarded message:

From: "Stevenson, Peter" <Stevenson.Peter@epa.gov>
Date: August 8, 2015 at 2:33:20 PM MDT
To: "Cristiano, Gina" <Cristiano.Gina@epa.gov>
Cc: "McComb, Martin" <McComb.Martin@epa.gov>, "Chavez, Luke" <Chavez.Luke@epa.gov>, "Ackerman, Joyce" <Ackerman.Joyce@epa.gov>
Subject: Re: Communication on the Gold King Mine Release Incident

I believe Joyel has. Walt was looking for info on the speed and size and location of the plume so I gave him Marty's number. He said the website doesn't have the info he needs and is coordinating the Utah sampling. Please try and get him what he needs.

Sent from my iPhone

On Aug 8, 2015, at 2:00 PM, Cristiano, Gina <Cristiano.Gina@epa.gov> wrote:

Pete-if you and Joyel can coordinate with the sampling teams on collection, labs, etc, that would be great. We've got Walt and company on our mass mailer for SitReps and data bulletins so hopefully that will cover it but I'll check in w him.

Sent from my iPhone

On Aug 8, 2015, at 1:54 PM, Stevenson, Peter <Stevenson.Peter@epa.gov> wrote:

Sent from my iPhone

Begin forwarded message:

From: Walter Baker <wbaker@utah.gov>
Date: August 8, 2015 at 1:39:48 PM MDT
To: <stevenson.peter@epa.gov>
Subject: Fwd: Communication on the Gold King Mine Release Incident

Pete,

Here is Utah's list of contacts. When there is information to disseminate, these are the Utah folks that should be included.

Thanks.

Walt

----- Forwarded message -----

From: **Walter Baker** <wbaker@utah.gov>

Date: Sat, Aug 8, 2015 at 10:51 AM

Subject: Communication on the Gold King Mine Release Incident

To: way.steven@epa.gov

Cc: Craig Dietrich <dietrich@utah.gov>, Donna

Spangler <dspangler@utah.gov>, David Ariotti

<dariotti@utah.gov>, Erica Gaddis

<egaddis@utah.gov>, Leah Ann Lamb

<llamb@utah.gov>, Kim Shelley

<kshelley@utah.gov>, Doug Wong

<dwong@utah.gov>

Steven,

My name is Walt Baker and I am the director of the Utah Division of Water Quality (DWQ). I was given your name as EPA's point of contact on the mine spill. I want to open up the lines of communication between my office and EPA's incident command center. The players in Utah include those noted below. As appropriate, please include them in the communication loop:

to: Craig Dietrich dietrich@utah.gov [Utah Department of Health]

Doug Wong dwong@utah.gov [DWQ spill coordinator]

David Ariotti dariotti@utah.gov [Utah DEQ Engineer in SE Utah; cell # 435-636-7724]

Walter Baker wbaker@utah.gov [Utah DWQ director; cell # 801-971-7508]

Leah Ann Lamb llamb@utah.gov [Utah DWQ assistant director; cell 801-560-0464]

Kim Shelley kshelley@utah.gov [Utah DWQ Surface Water manager; cell # 801-231-4248]

Erica Gaddis egaddis@utah.gov [DWQ assistant director; cell # 801-205-3769]

Donna Spangler dspangler@utah.gov [DEQ PIO, cell # 801-554-4944]

cc: We have mobilized a monitoring crew to deploy 4 data sondes in the San Juan River to collect water samples to establish baseline conditions for dissolved and total metals and to photograph the plume information. They are presently in the field. We will be establishing a webpage on Monday to post information as it becomes available. When we have a URL established we will provide it to you for the link website.

We understand that tribal authorities will also be collecting water quality data on the San Juan River and will communicate on this so that we don't have duplication of effort.

My other comment is that EPA's website is inadequate. There is no contact list; there is no update the plume; there are no recent photos; there are no links to other news sources; and the map function is better than this. Can you help me to understand if any of these deficiencies are being addressed?

I am the main point of contact for Utah DEQ through today (Saturday 8/8). Thereafter, Kim Sheehan is the point of contact.

Thanks,

Walt Baker

McComb, Martin

From: Walter Baker <wbaker@utah.gov>
Sent: Sunday, August 09, 2015 9:07 AM
To: Bahrman, Sarah
Cc: McComb, Martin; Erica Gaddis
Subject: Re: Gold King Mine update

Follow Up Flag: Flag for follow up
Flag Status: Flagged

Sarah,

Even basic pH info would be an improvement. This can be monitored by instrument with the results being instantaneous. I understand why metals testing takes time but not pH. MBTW, why is not arsenic data posted? It would seem that would be a key parameter.

Getting me the non-public access to the website would be helpful. Marty said he was on this.

Walt

Sent from my iPad

On Aug 9, 2015, at 8:53 AM, Bahrman, Sarah <Bahrman.Sarah@epa.gov> wrote:

Hi Walt-

I understand that you're frustrated. We are working to determine ways to get information out faster, but we also want to make sure the information we are releasing is accurate and interpreted, and that takes some time.

The next set of data should be out later this morning. I had told you more data would be out yesterday and I'm sorry that did not happen. I will share info with you as soon as I get it.

As for the plume, the last location I heard was it was past Kirtland, NM. The latest travel time estimate I heard was the leading edge was expected to reach the UT border at about 5am Monday.

I want to reiterate that we have heard from you and many others that info is coming out too slowly, and we will do our best to change that with more regular communication.

Thanks
Sarah

On Aug 9, 2015, at 6:29 AM, Walter Baker <wbaker@utah.gov> wrote:

Sarah,

I am increasingly frustrated. No new qualitative data has been posted by EPA in over 30 hours. Even the most basic of pH data. There has been no update in pictures since last Thursday even though EPA flies the rivers twice daily. I have no idea where the plume is

or when it will reach certain locations. I was told yesterday I would be given non-public rights to info at the incident webpage. Communication with my state has been poor. Am I missing communication that has happened or data that's out there somewhere?

What will EPA do to change this condition?

Walt

Sent from my iPad

On Aug 8, 2015, at 8:53 PM, Bahrman, Sarah <Bahrman.Sarah@epa.gov> wrote:

Wanted to make sure you all received this. Thanks

Begin forwarded message:

From: "Cristiano, Gina" <Cristiano.Gina@epa.gov>

Date: August 8, 2015 at 8:49:01 PM MDT

To: "SweetieMarbury@DurangoGov.org"

<SweetieMarbury@DurangoGov.org>,

"chris@frontier.net" <chris@frontier.net>,

"bgardner@silverton.co.us"

<bgardner@silverton.co.us>,

"gwen.lachelt@co.laplata.co.us"

<gwen.lachelt@co.laplata.co.us>,

"julie.westendorff@co.laplata.co.us"

<julie.westendorff@co.laplata.co.us>,

"brad.blake@co.laplata.co.us"

<brad.blake@co.laplata.co.us>,

"citycouncil@durangogov.org"

<citycouncil@durangogov.org>,

"ellen.roberts.senate@state.co.us"

<ellen.roberts.senate@state.co.us>,

"jpaul.brown.house@state.co.us"

<jpaul.brown.house@state.co.us>,

"ron.leblanc@durangogov.org"

<ron.leblanc@durangogov.org>,

"joe.kerby@co.laplata.co.us"

<joe.kerby@co.laplata.co.us>,

"sean.smith@co.laplata.co.us"

<sean.smith@co.laplata.co.us>,

"sanjuanacounty@frontier.net"

<sanjuanacounty@frontier.net>,

Personal Email/Ex. 6

Personal Email/Ex. 6

"brad.cochennet@PSMedicalCenter.org"

<brad.cochennet@PSMedicalCenter.org>,

"mwhiting@archuletacounty.org"

<mwhiting@archuletacounty.org>,

"ann.bruzzese@PSMedicalCenter.org"

<ann.bruzzese@PSMedicalCenter.org>,

"richard@population-matters.org"
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 <jodi.scarpa@psmedicalcenter.org>,
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 "byrd_s@fortlewis.edu" <byrd_s@fortlewis.edu>,
 "director@sjcph.org" <director@sjcph.org>,
 "sarah.jacobson@co.laplata.co.us"
 <sarah.jacobson@co.laplata.co.us>,
 "oem@sanjuancountycolorado.us"
 <oem@sanjuancountycolorado.us>, Claire Macpherson
 <CMacpherson@sjbhd.org>, "Ackerman, Joyce"
 <Ackerman.Joyce@epa.gov>, "Allen, HarryL"
 <Allen.HarryL@epa.gov>,
 "Allison.Majure@state.nm.us"
 <Allison.Majure@state.nm.us>, "Bahrman, Sarah"
 <Bahrman.Sarah@epa.gov>, "Bohan, Suzanne"
 <bohan.suzanne@epa.gov>, "bsmartinez@fs.fed.us"
 <bsmartinez@fs.fed.us>, "Buhl, Rick"
 <Buhl.Rick@epa.gov>, Butch Knowlton-LaPlata Co EM
 <knowltonbk@co.laplata.co.us>, "Card, Joan"
 <Card.Joan@epa.gov>, "Chavez, Luke"
 <Chavez.Luke@epa.gov>, "Copeland, Michael"
 <Copeland.Michael@epa.gov>, "Cristiano, Gina"
 <Cristiano.Gina@epa.gov>, "Crossland, Ronnie"
 <Crossland.Ronnie@epa.gov>, "dariotti@utah.gov"
 <dariotti@utah.gov>, "david.kreutzer@state.co.us"
 <david.kreutzer@state.co.us>,
 "david.kurz@state.co.us" <david.kurz@state.co.us>,
 "Dhieux, Joyel" <Dhieux.Joyel@epa.gov>,
 "dietrich@utah.gov" <dietrich@utah.gov>,
 "doug.jamison@state.co.us"
 <doug.jamison@state.co.us>, "dspangler@utah.gov"
 <dspangler@utah.gov>, "dwong@utah.gov"
 <dwong@utah.gov>, "egaddis@utah.gov"
 <egaddis@utah.gov>, "Eoc, Epahq"
 <Eoc.Epahq@epa.gov>, "Faulk, Libby"
 <Faulk.Libby@epa.gov>, "Foster, Althea"
 <Foster.Althea@epa.gov>, "Garcia, David"
 <Garcia.David@epa.gov>,
 "gary.baughman@state.co.us"
 <gary.baughman@state.co.us>, "Gleason, Michael"
 <Gleason.Michael@epa.gov>,
 "greg.naugle@state.co.us" <greg.naugle@state.co.us>,
 "Griswold, Hays" <Griswold.Hays@epa.gov>, "Hayes,
 Mark" <hayes.mark@epa.gov>, "Hestmark, Martin"
 <Hestmark.Martin@epa.gov>, "jason.king@state.co.us"
 <jason.king@state.co.us>, Joshua Allan - BIA
 <joshua.allan@bia.gov>, "Kahn, Lisa"
 <Kahn.Lisa@epa.gov>, "karin.mcgowan@state.co.us"
 <karin.mcgowan@state.co.us>, "KBousfield@utah.gov"

<KBousfield@utah.gov>, "Kortuem, Patrice"
 <Kortuem.Patrice@epa.gov>, "kshelley@utah.gov"
 <kshelley@utah.gov>, "Land, Kelcey"
 <Land.Kelcey@epa.gov>, "Laura.Rendon@state.nm.us"
 <Laura.Rendon@state.nm.us>, Liane Jollon - San Juan
 Basin HD <ljollon@sjbhd.org>, "llamb@utah.gov"
 <llamb@utah.gov>, "Lloyd, Lisa" <Lloyd.Lisa@epa.gov>,
 "Logan, Paul" <Logan.Paul@epa.gov>, "Madigan,
 Andrea" <Madigan.Andrea@epa.gov>,
 "martha.rudolph@state.co.us"
 <martha.rudolph@state.co.us>, "McComb, Martin"
 <McComb.Martin@epa.gov>, "McGrath, Shaun"
 <McGrath.Shaun@epa.gov>,
 "meghan.trubee@state.co.us"
 <meghan.trubee@state.co.us>,
 "mjblanchard@fs.fed.us" <mjblanchard@fs.fed.us>,
 "Mohr, Mindy" <Mohr.Mindy@epa.gov>,
 "monica.sheets@state.co.us"
 <monica.sheets@state.co.us>, "Myers, Craig"
 <Myers.Craig@epa.gov>, "Mylott, Richard"
 <Mylott.Richard@epa.gov>, "Nattis, Randy"
 <Nattis.Randy@epa.gov>, "O'Connor, Darcy"
 <oconnor.darcy@epa.gov>, "Ostrander, David"
 <Ostrander.David@epa.gov>,
 "patrick.j.pfaltzgraff@state.co.us"
 <patrick.j.pfaltzgraff@state.co.us>,
 "Patrick.Longmire@state.nm.us"
 <Patrick.Longmire@state.nm.us>, R8 Documentation
 Unit Leader
 <R08_Documentation_Unit_Leader@epa.gov>,
 "Restivo, Angela" <Restivo.Angela@epa.gov>, "Russo,
 Rebecca" <Russo.Rebecca@epa.gov>, "Saldenha,
 Jasmine" <Saldenha.Jasmine@epa.gov>, "Sandoval,
 Joni" <Sandoval.Joni@epa.gov>, Sid Caesar - BIA
 <sid.caesar@bia.gov>, "Sierra, Eddie"
 <Sierra.Eddie@epa.gov>, "Sisk, Richard"
 <Sisk.Richard@epa.gov>, "Smith, Paula"
 <Smith.Paula@epa.gov>, "Stavnes, Sandra"
 <Stavnes.Sandra@epa.gov>, "Stevenson, Peter"
 <Stevenson.Peter@epa.gov>, "Thomas, Deb"
 <thomas.debrah@epa.gov>, "tojohns@southernute-
 nsn.gov" <tojohns@southernute-nsn.gov>,
 "tyson.ingles@state.co.us" <tyson.ingles@state.co.us>,
 "Videtich, Callie" <Videtich.Callie@epa.gov>, "Ward, W.
 Robert" <Ward.Robert@epa.gov>,
 "warren.smith@state.co.us"
 <warren.smith@state.co.us>, "Way, Steven"
 <way.steven@epa.gov>, "wbaker@utah.gov"
 <wbaker@utah.gov>, "Webster, Susan"
 <webster.susan@epa.gov>, "Werner, Phillip"
 <Werner.Phillip@epa.gov>,
 "Allison O'Brien@ios.doi.gov"

<Allison.O'Brien@ios.doi.gov>,
 "Amanda.M.LeMonde@uscg.mil"
 <Amanda.M.LeMonde@uscg.mil>,
 "Angelique.M.Geyer@uscg.mil"
 <Angelique.M.Geyer@uscg.mil>, "Atencio, Kathie"
 <Atencio.Kathie@epa.gov>, Beth Alferink
 <beth.alferink@nrc.gov>,
 "Bethany.o'brien@aphis.usda.gov"
 <Bethany.o'brien@aphis.usda.gov>,
 "bill.markley@state.sd.us" <bill.markley@state.sd.us>,
 "blovelace2@mt.gov" <blovelace2@mt.gov>, Bradley
 King <bfk2@cdc.gov>, "Bryan.E.Dailey@uscg.mil"
 <Bryan.E.Dailey@uscg.mil>, "charlie.henry@noaa.gov"
 <charlie.henry@noaa.gov>, "Poulet, Chris"
 <Poulet.Chris@epa.gov>,
 "christine.vanhorn@ch.doe.gov"
 <christine.vanhorn@ch.doe.gov>, Corey Butler
 <guz5@cdc.gov>, "cwhitman@mhanation.com"
 <cwhitman@mhanation.com>,
 "D L Anderson@nps.gov" <D L Anderson@nps.gov>,
 "dan.feighert@dhs.gov" <dan.feighert@dhs.gov>,
 "dglatt@nd.gov" <dglatt@nd.gov>,
 "dave.hard@state.co.us" <dave.hard@state.co.us>,
 "Ostrander, David" <Ostrander.David@epa.gov>,
 "Dorian, David" <Dorian.David@epa.gov>,
 "david.everett@inl.gov" <david.everett@inl.gov>,
 "donna.vallejos@gsa.gov" <donna.vallejos@gsa.gov>,
 "eje1@cdc.gov" <eje1@cdc.gov>, "Cristiano, Gina"
 <Cristiano.Gina@epa.gov>, "Goodrick, John"
 <Goodrick.John@epa.gov>, "greg.stasinos@state.co.us"
 <greg.stasinos@state.co.us>,
 "Gregory.Schweitzer@noaa.gov"
 <Gregory.Schweitzer@noaa.gov>,
 "hauter.nancy@dol.gov" <hauter.nancy@dol.gov>,
 "Jason.kozal@nrc.gov" <Jason.kozal@nrc.gov>,
 "jennifer.c.chang@usace.army.mil"
 <jennifer.c.chang@usace.army.mil>, Joe Hunter
 <joe.hunter@wyo.gov>, John Dean
 <deanig@id.doe.gov>, "john.gibbons@hhs.gov"
 <john.gibbons@hhs.gov>, "John.Lomnický@noaa.gov"
 <John.Lomnický@noaa.gov>, "John Wegrzyn@fws.gov"
 <John Wegrzyn@fws.gov>, "Kelpis, Elizabeth D - APHIS"
 <Elizabeth.D.Kelpis@aphis.usda.gov>"
 <Elizabeth.D.Kelpis@aphis.usda.gov>,
 "kerry.kimble@state.co.us"
 <kerry.kimble@state.co.us>,
 "kim.mcintosh@state.sd.us"
 <kim.mcintosh@state.sd.us>, "klee@wyo.gov"
 <klee@wyo.gov>, "kmuenchow@fs.fed.us"
 <kmuenchow@fs.fed.us>, "kzamba@fs.fed.us"
 <kzamba@fs.fed.us>, "Williams, Laura"
 <williams.laura@epa.gov>, "marybeth.vasco@dhs.gov"

<marybeth.vasco@dhs.gov>,
 "michael.k.sams@uscg.mil"
 <michael.k.sams@uscg.mil>,
 "Michael.R.Jolly@uscg.mil" <Michael.R.Jolly@uscg.mil>,
 "mriley@utah.gov" <mriley@utah.gov>,
 "myk3@cdc.gov" <myk3@cdc.gov>,
 "mzucker@utah.gov" <mzucker@utah.gov>, "Nisley,
 Barbara" <Nisley.Barbara@epa.gov>,
 "paige.doelling@noaa.gov" <paige.doelling@noaa.gov>,
 Patrick Reid <preid@utah.gov>,
 "pete.bakersky@dhs.gov" <pete.bakersky@dhs.gov>,
 "Ledbetter, Ray" <Ledbetter.Ray@epa.gov>,
 "rdeboer@nd.gov" <rdeboer@nd.gov>,
 "rlambert@nd.gov" <rlambert@nd.gov>,
 "robert_e_willis@usace.army.mil"
 <robert_e_willis@usace.army.mil>,
 "robert_f_stewart@ios.doi.gov"
 <robert_f_stewart@ios.doi.gov>,
 "ronald.pinheiro@hhs.gov"
 <ronald.pinheiro@hhs.gov>, "ronnie.warren@dhs.gov"
 <ronnie.warren@dhs.gov>, "sheris@mt.gov"
 <sheris@mt.gov>, "sknecht@mt.gov"
 <sknecht@mt.gov>, "stanley.sheila.a@dol.gov"
 <stanley.sheila.a@dol.gov>, "tina.titze@state.sd.us"
 <tina.titze@state.sd.us>, "todd.m.peterson@uscg.mil"
 <todd.m.peterson@uscg.mil>, "Tom.andrews@nrc.gov"
 <Tom.andrews@nrc.gov>, "victoria.deal@gsa.gov"
 <victoria.deal@gsa.gov>,
 "William.D.Harlon@usace.army.mil"
 <William.D.Harlon@usace.army.mil>, "Art Deyo
 (adeyo@utah.gov)" <adeyo@utah.gov>, Bruce Young
 <bmyoung@anl.gov>, "Chris.Hoidal@dot.gov"
 <Chris.Hoidal@dot.gov>, "christopher.foltz@noaa.gov"
 <christopher.foltz@noaa.gov>, "coyporter@utah.gov"
 <coyporter@utah.gov>, "Evans, Leroy M CIV USA
 USARNORTH" <Leroy.Evanssr@us.army.mil>, George
 Chew <george.e.chew.mil@mail.mil>, Jerome Popiel
 <jerome.a.popiel@uscg.mil>,

Personal Email/Ex. 6

, Scott

Binko <scott.a.binko1@uscg.mil>,
 "Scott.Carpenter@noaa.gov"
 <Scott.Carpenter@noaa.gov>, Terry Larson
 <terrence.larson@dot.gov>, "Theriault, Linda A Ms CIV
 USA" <Linda.Theriault@us.army.mil>,
 "timothy.a.Dykstra@usace.army.mil"
 <timothy.a.Dykstra@usace.army.mil>, Tom Finch
 <thomas.finch@dot.gov>

Good Evening Everyone,
 Please see the attached EPA statement for August 8th.

Also, some of you may have already heard through other channels but, there is pH, dissolved metals and other information on the website – www.epaossc.org/goldkingmine.

Thank you,

Gina Cristiano
Emergency Response & Planning Coordinator
EPA Region 8
303-312-6688

<GoldKingMineUpdate 080815.pdf>

McComb, Martin

From: McComb, Martin
Sent: Sunday, August 16, 2015 4:58 AM
To: McComb, Martin
Subject: Print

Begin forwarded message:

From: "Card, Joan" <Card.Joan@epa.gov>
Date: August 9, 2015 at 7:59:29 PM MDT
To: "McComb, Martin" <McComb.Martin@epa.gov>, "Smith, Paula" <Smith.Paula@epa.gov>, "Hestmark, Martin" <Hestmark.Martin@epa.gov>, "Ostrander, David" <Ostrander.David@epa.gov>
Cc: "Way, Steven" <way.steven@epa.gov>, "Myers, Craig" <Myers.Craig@epa.gov>, "Griswold, Hays" <Griswold.Hays@epa.gov>, "Stevenson, Peter" <Stevenson.Peter@epa.gov>
Subject: RE: Public Website

Paula, please send to PADs and HQ Comms to see if they agree to this. Thanks. Joan

From: McComb, Martin
Sent: Sunday, August 09, 2015 7:54 PM
To: Smith, Paula; Card, Joan; Hestmark, Martin; Ostrander, David
Cc: Way, Steven; Myers, Craig; Griswold, Hays; Stevenson, Peter
Subject: Public Website

An EPAosc.org website has been established to serve as a single location to be used by Regions 6, 8 and 9 for the public distribution of data related to the Gold King Mine Release. So far, Region 8 has used the website to distribute site photographs and important public documents such as Situation Reports and data updates. Starting August, 10, 2015, and in response to the public's need for information, an interactive mapping tool will be posted on this website that allows the public to obtain a common operating picture of the response. Regions 6, 8 and 9 have agreed to make the following information available in this mapping tool includes: standard base maps, the location of waterways, important site features such as the location of the release, imagery collected from the ASPECT aircraft, site photographs, sampling and monitoring locations, monitoring data and analytical results. Members of the National Emergency Response Data Team (one from each region) will be designated as the gatekeepers to manage the content on this website. These individuals may delegate their authorization to contractors and other technical personnel as conditions require. These three members of the Data Team are:

Eric Delgado, OSC, EPA Region 6
Martin McComb, OSC, EPA Region 8
Randy Nattis, OSC, EPA Region 9

McComb, Martin

From: McComb, Martin
Sent: Sunday, August 16, 2015 5:15 AM
To: McComb, Martin
Subject: Print

Begin forwarded message:

From: "Card, Joan" <Card.Joan@epa.gov>
Date: August 10, 2015 at 8:37:34 AM MDT
To: "McComb, Martin" <McComb.Martin@epa.gov>, "McGrath, Shaun" <McGrath.Shaun@epa.gov>, "Hestmark, Martin" <Hestmark.Martin@epa.gov>, "Ostrander, David" <Ostrander.David@epa.gov>, "Williams, Laura" <williams.laura@epa.gov>, "Way, Steven" <way.steven@epa.gov>, "Myers, Craig" <Myers.Craig@epa.gov>, "Faulk, Libby" <Faulk.Libby@epa.gov>, "Smith, Paula" <Smith.Paula@epa.gov>, "Stevenson, Peter" <Stevenson.Peter@epa.gov>, "Griswold, Hays" <Griswold.Hays@epa.gov>, "Dhieaux, Joyel" <Dhieaux.Joyel@epa.gov>, "Sandoval, Joni" <Sandoval.Joni@epa.gov>
Cc: "Nattis, Randy" <Nattis.Randy@epa.gov>, "Delgado, Eric" <Delgado.Eric@epa.gov>
Subject: RE: GOOD NEWS

Thanks Marty. I'll work to ensure that information has trickled up and that we have concurrence before we employ. Joan

-----Original Message-----

From: McComb, Martin
Sent: Monday, August 10, 2015 8:36 AM
To: McGrath, Shaun; Card, Joan; Hestmark, Martin; Ostrander, David; Williams, Laura; Way, Steven; Myers, Craig; Faulk, Libby; Smith, Paula; Stevenson, Peter; Griswold, Hays; Dhieux, Joyel; Sandoval, Joni
Cc: Nattis, Randy; Delgado, Eric
Subject: GOOD NEWS

We have opened up the public viewer on the website. We are not showing trend lines of analytical results yet pending input from the Environmental Unit.

This represents a significant achievement towards providing data to the public. It also represents a collaboration between Regions 6, 8 and 9 that I am proud of.

Our contacts in the other Regions approved this development and I have been assured that their management has been appropriately informed.

M

Sent from my iPhone

McComb, Martin

From: McComb, Martin
Sent: Sunday, August 16, 2015 5:16 AM
To: McComb, Martin
Subject: Print

Begin forwarded message:

From: "Card, Joan" <Card.Joan@epa.gov>
Date: August 10, 2015 at 8:49:16 AM MDT
To: "McComb, Martin" <McComb.Martin@epa.gov>
Cc: "McGrath, Shaun" <McGrath.Shaun@epa.gov>, "Hestmark, Martin" <Hestmark.Martin@epa.gov>, "Ostrander, David" <Ostrander.David@epa.gov>, "Williams, Laura" <williams.laura@epa.gov>, "Way, Steven" <way.steven@epa.gov>, "Myers, Craig" <Myers.Craig@epa.gov>, "Faulk, Libby" <Faulk.Libby@epa.gov>, "Smith, Paula" <Smith.Paula@epa.gov>, "Stevenson, Peter" <Stevenson.Peter@epa.gov>, "Griswold, Hays" <Griswold.Hays@epa.gov>, "Dhieux, Joyel" <Dhieux.Joyel@epa.gov>, "Sandoval, Joni" <Sandoval.Joni@epa.gov>, "Nattis, Randy" <Nattis.Randy@epa.gov>, "Delgado, Eric" <Delgado.Eric@epa.gov>
Subject: Re: GOOD NEWS

We should talk. I'll call as soon as I can this morning. I need to be crystal clear about what we are posting.

Joan Card
Senior Policy Advisor
Region 8

Sent from my EPA iPhone

On Aug 10, 2015, at 8:46 AM, McComb, Martin <McComb.Martin@epa.gov> wrote:

Ok. It was opened up to the public briefly to test it. We are prepared to monitor web traffic and get this out there.

Do you have a timeframe as to final approval?

M

Sent from my iPhone

On Aug 10, 2015, at 8:37 AM, Card, Joan <Card.Joan@epa.gov> wrote:

Thanks Marty. I'll work to ensure that information has trickled up and that we have concurrence before we employ. Joan

-----Original Message-----

From: McComb, Martin

Sent: Monday, August 10, 2015 8:36 AM

To: McGrath, Shaun; Card, Joan; Hestmark, Martin; Ostrander, David; Williams, Laura; Way, Steven; Myers, Craig; Faulk, Libby; Smith, Paula; Stevenson, Peter; Griswold, Hays; Dhieux, Joyel; Sandoval, Joni

Cc: Nattis, Randy; Delgado, Eric

Subject: GOOD NEWS

We have opened up the public viewer on the website. We are not showing trend lines of analytical results yet pending input from the Environmental Unit.

This represents a significant achievement towards providing data to the public. It also represents a collaboration between Regions 6, 8 and 9 that I am proud of.

Our contacts in the other Regions approved this development and I have been assured that their management has been appropriately informed.

M

Sent from my iPhone

McComb, Martin

From: McComb, Martin
Sent: Sunday, August 16, 2015 7:04 AM
To: McComb, Martin
Subject: Print

Begin forwarded message:

From: "Latham (Polinko), Janine" <Janine.Latham@WestonSolutions.com>
Date: August 12, 2015 at 2:32:30 PM MDT
To: "Nattis, Randy" <Nattis.Randy@epa.gov>, "McComb, Martin" <McComb.Martin@epa.gov>
Cc: "Delgado, Eric" <Delgado.Eric@epa.gov>, "Lucotch, John" <John.Lucotch@WestonSolutions.com>
Subject: RE: Public Viewer

No analytical data is in the public viewer.
Viewer is public now.

From: Nattis, Randy [<mailto:Nattis.Randy@epa.gov>]
Sent: Wednesday, August 12, 2015 3:31 PM
To: McComb, Martin <McComb.Martin@epa.gov>
Cc: Latham (Polinko), Janine <Janine.Latham@WestonSolutions.com>; Delgado, Eric <Delgado.Eric@epa.gov>; Lucotch, John <John.Lucotch@WestonSolutions.com>
Subject: Re: Public Viewer

Data is public??? ??

Doing a public meeting in 30 minutes with the Navajo president.

Randy B. Nattis
Federal On Scene Coordinator
U.S. EPA Region IX
nattis.randy@epa.gov
Phone - (415) 940-1108 - Cell

On Aug 12, 2015, at 2:14 PM, McComb, Martin <McComb.Martin@epa.gov> wrote:

area command just gave the approval. I told j9 to turn it in.

Sent from my iPhone

On Aug 12, 2015, at 2:02 PM, Latham (Polinko), Janine
<Janine.Latham@WestonSolutions.com> wrote:

I have not been given the go. If you say go I'll go.

Sent from my iPhone

On Aug 12, 2015, at 3:55 PM, Delgado, Eric
<Delgado.Eric@epa.gov> wrote:

It was my understanding last night to go live
Marty just needs to say when

Sent from my iPhone

On Aug 12, 2015, at 14:28, Lucotch, John
<John.Lucotch@WestonSolutions.com> wrote:

I can't get ahold of Martin or
Janine. What's the status of the public
viewer? Headquarters GIS folks are
asking us.

From: Nattis, Randy

[<mailto:Nattis.Randy@epa.gov>]

Sent: Wednesday, August 12, 2015 1:14
PM

To: ERT Support

<ERTSupport@epa.gov>; Lucotch, John

<John.Lucotch@WestonSolutions.com>

Cc: Wieber, John

<Wieber.John@epa.gov>; Bruce, Ian

<Ian.Bruce@WestonSolutions.com>

Subject: Re: Scribe

ian?

Randy B. Nattis
Federal On Scene Coordinator
U.S. EPA Region 9
75 Hawthorne Street, 8th Floor
San Francisco, CA 94105
nattis.randy@epa.gov
Phone - (415) - 940-1108 - Cell

From: ERT Support

Sent: Wednesday, August 12, 2015
12:01 PM

To:
John.Lucotch@WestonSolutions.com
Cc: Wieber, John; Nattis, Randy
Subject: Re: Scribe

We're waiting for a new project publication from Ian Bruce.

For Additional Information Please
Contact
ERT Software Support
1-800-999-6990
1-732-321-6724 (fax)
ertsupport@epa.gov
www.ertsupport.org

From: Lucotch, John
<John.Lucotch@WestonSolutions.com>
Sent: Wednesday, August 12, 2015 2:57 PM
To: ERT Support
Cc: Wieber, John; Nattis, Randy
Subject: RE: Scribe

Can we please get 2640 and 2650 (analytical) added to our Region 8 Weston subscription?

From: ERT Support
[<mailto:ERTSupport@epa.gov>]
Sent: Wednesday, August 12, 2015 8:59 AM
To: Lucotch, John
<John.Lucotch@WestonSolutions.com>
Cc: Christner, Jan
<Jan.Christner@WestonSolutions.com>
Subject: Re: Scribe

Hi John,

Done. Thanks,

For Additional Information Please
Contact
ERT Software Support
1-800-999-6990
1-732-321-6724 (fax)

ertsupport@epa.gov
www.ertsupport.org

From: Lucotch, John
<John.Lucotch@WestonSolutions.com>
Sent: Wednesday, August 12, 2015
10:51 AM
To: ERT Support
Cc: Christner, Jan
Subject: Scribe

Can you add 2622 to the Region 08
Weston Subscription please?

John Lucotch
IT Manager
Phone: 970-301-1416
Weston Solutions, Inc.

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McComb, Martin

From: McComb, Martin
Sent: Sunday, August 16, 2015 3:35 PM
To: McComb, Martin
Subject: Print

Begin forwarded message:

From: "McComb, Martin" <McComb.Martin@epa.gov>
Date: August 13, 2015 at 8:37:57 AM MDT
To: "Card, Joan" <Card.Joan@epa.gov>
Cc: "McKean, Deborah" <mckean.deborah@epa.gov>, "OBrien, Wendy" <OBrien.Wendy@epa.gov>
Subject: Re: Animas update 8/12

Just waiting on the go ahead from area command to exchange info with partner agencies. We would normally be inputting their data into our field operations but that usually means sharing with them.

Sent from my iPhone

On Aug 13, 2015, at 8:35 AM, Card, Joan <Card.Joan@epa.gov> wrote:

Wanted you to be aware of USGS sampling if you aren't already. Scroll to the bottom to find it. Thanks. Joan

From: Horton, Robert [<mailto:rhorton@usgs.gov>]
Sent: Wednesday, August 12, 2015 4:21 PM
To: Laura Bexfield; Scott Vanderkooi; Allison Shipp; Andrew Todd; Brent Lewis; Breton Bruce; Cory Angerth; David L Fey; David Lytle; David Mau; David Reppert; David Susong; Douglas B Yager; Geoffrey S Plumlee; Heidi K Koontz; Holly Weyers; James M Leenhouts; Jean M Morrison; Card, Joan; JoAnn M Holloway; Katie Walton-Day; Kent Becher; Matt Ely; Michael Lewis; Peter Griffiths; rich wanty; Robert J Hart; Robert Kimbrough; Robert Runkel; Suzanne Paschke; Thomas Chapin; Todd; Trude King
Cc: Max Ethridge
Subject: Animas update 8/12

All, here is an update on the Animas mine spill activities since yesterday. Please note our next Gold King telecon/meeting is scheduled for tomorrow, Thursday (8/13/2015) at 2:00 pm. We will meet in Building 20, Hildenbrand Conference Room (2nd floor - near CGGSC office).

Telephone contact: Nonresponsive Conference Code
Access #: Nonresponsive Conference Code

Note, if you are on this email list and don't want to be, let me know.

FYI...I sat in on a Gold King mine spill call this morning with a number of HQ staff. Communication was addressed. Apparently there are many complaints from federal, state and tribal agencies that EPA is not forthcoming with information. HQ stressed we need to keep DOI informed on who's doing what. For all involved in the spill, thank you for your updates. Please send any relative information to me and I'll see it is included in our daily brief. HQ can decide if they want to bump it further up the chain.

Thomas Chapin (CGGSC) successfully deployed his mini-sipper samplers (Long-term auto samplers) and is in route back to DFC.

Rob Runkel (CWSC) is in the field collecting sediment samples and deploying samplers/monitors.

Jean Morrison (CGGSC) received a water sample(s) from Farmington public works (CH2M contractor) and is preparing for sample submittal.

UTWSC operates the stream gage on the San Juan at Bluff. They collected a water quality sample there today (8/11) that will be analyzed for total and dissolved metals.

Todd Hoeffen (CGGSC) approached by NASA to fly AVIRIS imaging spectrometer. Hoeffen consulted with CGGSC staff/CD and could not find a strong scientific justification to fly the spill at this time. The AVIRIS sensor is currently configured for low-resolution (8 meter pixel) data collects which would not be sufficient to map features of interest.

A number of Centers have been contacted by tribal officials or raised concerns about USGS tribal engagement regarding the spill. Horton (SWR Tribal Liaison) contacted EPA Region 6 and 8 Tribal Liaison counterparts via email. EPA requests inquiries be routed through Randy Brown, Robert, EPA Tribal Liaison assigned to Unified Command Center @ La Plata County Fairgrounds, Durango Colorado for the Gold King Mine Blowout Site. Email: brown03.randy@epa.gov

USGS Communications (Heidi Koontz) working on USGS press release (USGS top story) related to spill and USGS activities.

Several requests for interviews reported by different scientists. These requests forwarded to Heidi Koontz for guidance.

Katie Walton-Day (CWSC) chosen to address science inquiries as she has Silverton AML experience.

Discussed with HQ the release of USGS spill related data. Centers should approve the data for QA and do their peer/technical review. Then forward to SWR Director's Office (me) and we will work with OSQI and the BAO to add appropriate disclaimers and inform the Bureau of the pending release.

Horton (SWR) sat in on a National Response Team call, many agencies present. This was the first Gold King spill NRT call, mostly background info presented.

Max Ethridge (SWR) attended a meeting with State geologists in Reno. States have requested assistance.

Received a request the DOI Office of Environmental Protection and Compliance. OEPC is asking for information on what different DOI agencies are sampling. Have asked centers to send me a list of what crews are sampling, what they analyze for and what field data they collect. I suspect the next data call will be "where are they sampling"?

Katie Walton-Day (CWSC) is discussing with other centers, which analytes to analyze for so that all USGS samples will have the same results. Please contact Katie if you are not (and should be) part of the analyte discussion.

Received information from NMWSC on their activities. I am including below two emails from Anne Marie Matherne as they contain numerous details.

----- Forwarded message -----

From: **Matherne, Anne Marie** <matherne@usgs.gov>

Date: Wed, Aug 12, 2015 at 2:41 PM

Subject: Fwd: Gold King mine - update of USGS efforts in NM

Hello -

I realized that I inadvertently left you out of the email string when I sent this update out yesterday. My apologies. The recipients are cooperators from the NM Office of the State Engineer, the NM Interstate Stream Commission, NM Environment Dept., and Navajo EPA.

I heard from our current field crew this morning, and they are proceeding as outlined in my note from yesterday. They will be doing the additional sampling at Aztec in conjunction with Steve Monroe of the NPS.

We've had several responses to this email. Tom Skibitski, Emergency Response chief for NMED, said he would stay in contact regarding their plans and results. We had a phone conversation with Mike Johnson, OSE, who expressed an interest in our doing some groundwater monitoring, although no work was established.

Kevin Flanigan, San Juan River Basin Manager, ISC, was interested in when the results of our samples collected over the weekend will be available. These samples are currently being expedited by NWQL, who expects to have some results available by the end of the week. Laura Bexfield, our QW Specialist, will review these results when they come in and pass them on to you for dissemination.

I had a call from Erik Rich, of the Navajo EPA, just to generally check in.

Stephen Spencer asked whether the NM WSC had been asked to do any post-incident sampling. We sent him a copy of the the work summary enclosed here. As noted, we've not had any official requests.

Finally, I received a call from Lance Richmond, the EPA liaison based in San Francisco, who is the communications coordinator. He asked me to participate on daily incident response calls at 6:00pm. The meeting includes a wide variety of state and federal agencies and is intended as a update on EPAs activities, and to be more of an operational, "who's doing what" type meeting, hoping to increase coordination among the various groups. If anyone else is interested in sitting in on this call, I can pass on the information. The Region 8 Incident rep has also tried to contact Laura Bexfield, but I believe they haven't yet managed to talk with each other.

Also, David Mau just forwarded a request for DOI OPEC asking for information on what DOI agencies are sampling. That information, as well as where the samples are being collected, is included in the note below. If this information isn't sufficient or you need it in another format, please let me know.

Thank you, Anne-Marie

----- Forwarded message -----

From: **Matherne, Anne Marie** <matherne@usgs.gov>

Date: Tue, Aug 11, 2015 at 3:12 PM

Subject: Gold King mine - update of USGS efforts in NM

Hello -

We've had a number of inquiries concerning USGS sampling in New Mexico in conjunction with the Gold King mine spill, and we wanted to give you an update of our efforts.

A team of five from the New Mexico Water Science Center arrived at Farmington late on Friday, August 7. The goal was to collect water quality samples in the Animas and San Juan Rivers before and during passage of the spill plume. The team was on-site from Friday night until Sunday afternoon. Sample collection sites coincided with the location of USGS streamgages: Animas River at Farmington (09364500), before and during the plume; San Juan River at Farmington (09365000), during the plume; San Juan River at Shiprock (0936800), before and during the plume; San Juan River at Four Corners (09371010), both samples before the plume. The samples collected on the Animas and the San Juan at Farmington were composite samples; the samples at Shiprock and Four Corners were grab samples. A total of seven samples were collected between Friday night and Sunday afternoon. Samples were filtered and will be tested for major ions, trace metals, and mercury at the USGS National Water Quality Lab. Field parameters (pH, specific conductivity, dissolved oxygen, and water temperature) were collected at the time of sampling. A continuous water-quality sonde was deployed on the Animas River at Farmington on Saturday morning and has continued to record field parameters (pH, SC, DO, and temperature) since that time.

Current efforts, as of Tuesday, August 11, will focus on the Animas at Farmington and San Juan at Farmington sites. A set of two ISCO samplers will be deployed at each site, one to sample daily, and a second, triggered by changes in turbidity, as an event sampler. A discharge measurement will be taken at each location, so that loads can be calculated from the suspended sediment samples.

On August 12, a second, five-parameter (pH, SC, DO, temperature, and turbidity) sonde will be deployed at San Juan at Farmington. Data from the Animas at Farmington sonde, which has been recording since Saturday morning, will be downloaded, and the sonde replaced with a five-parameter unit. A composite water-quality sample will be collected at each site, and bed sediment samples will be collected. An additional set of water quality and sediment samples may be collected at Aztec in conjunction with National Park Service monitoring there.

The USGS is currently in conversation with various agencies regarding additional monitoring needs, and may adapt our efforts in response to those conversations.

Please let us know if you have any questions.

Thank you, Anne-Marie

CWSC - Colorado Water Science Center
UTWSC - Utah Water Science Center
NMWSC - New Mexico Water Science Center
CGGSC - Crustal Geophysics and Geochemistry Science Center

-Bob

--

Robert J. Horton, PhD.
Science Coordinator - Geology
U.S. Geological Survey, Southwest Regional Office
Box 25046 Mail Stop 911
Denver Federal Center
Denver, CO 80225

Phone: 303.236.1338
Fax: 303.236.5448

McComb, Martin

From: McComb, Martin
Sent: Sunday, August 16, 2015 7:29 AM
To: McComb, Martin
Subject: Print

Begin forwarded message:

From: "Card, Joan" <Card.Joan@epa.gov>
Date: August 13, 2015 at 10:21:48 AM MDT
To: "McComb, Martin" <McComb.Martin@epa.gov>, "Smith, Paula" <Smith.Paula@epa.gov>, "Davis, Tim" <Davis.Tim@epa.gov>, "Miller, Johanna" <Miller.Johanna@epa.gov>
Cc: "Mylott, Richard" <Mylott.Richard@epa.gov>, "Harrison, Melissa" <Harrison.Melissa@epa.gov>
Subject: RE: Gold King Mine Release Incident

+ George Hull of OSWER. George, do you have any info on the status of releasing the data viewer?

Joan

From: McComb, Martin
Sent: Thursday, August 13, 2015 10:04 AM
To: Smith, Paula; Davis, Tim; Miller, Johanna
Cc: Card, Joan
Subject: Fwd: Gold King Mine Release Incident

I still would love to get together to discuss:

- 1) pulling all the information NOT related to the viewer off of the epaossc.org website.
- 2) what would need to be done should we ever decide the spatial data viewer is a useful tool to inform the public.

See the attached report that we run every day to track web traffic on the epaosc site.

Many of my responsibilities are transferring to the field today so we may want to talk before I become much less available.

M

Sent from my iPhone

Begin forwarded message:

From: <usepa.ert@gmail.com>
Date: August 13, 2015 at 9:45:30 AM MDT
To: <McComb.Martin@epa.gov>
Subject: Gold King Mine Release Incident

Attached is a report on the activity on the R8-Gold King Mine Release Incident public site.

This is a report email from Google Analytics. You received this email because usepa.ert@gmail.com requested this report be sent to you. If you would like to opt out of emails from this user, go to https://www.google.com/analytics/web/optout?token=CJw7wk8BAAA.BihZS4WCmAtuJNv31tftaNnkCNK2pZSoj3qR92mIB2ENDaNtjIKBuJcxehRcj2FHv-DF3qKNxVf7mgKbD4htKQ.FK4XA9FwDuysBMdXoPd4og&email=McComb.Martin%40epa.gov&hl=en_US